

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730450

Luminaire Tested: **HBLED-LD5-15SE-N-CL-WG-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33344)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-15SE-N-CL-WG-UNV-L750
Description: 15000 LUMEN, SE HBLED WITH NARROW DISTRIBUTION AND CLEAR ACRYLIC LENS, WIREGUARD & DOOR FRAME
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14995.0 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 0.81 / 0.91
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

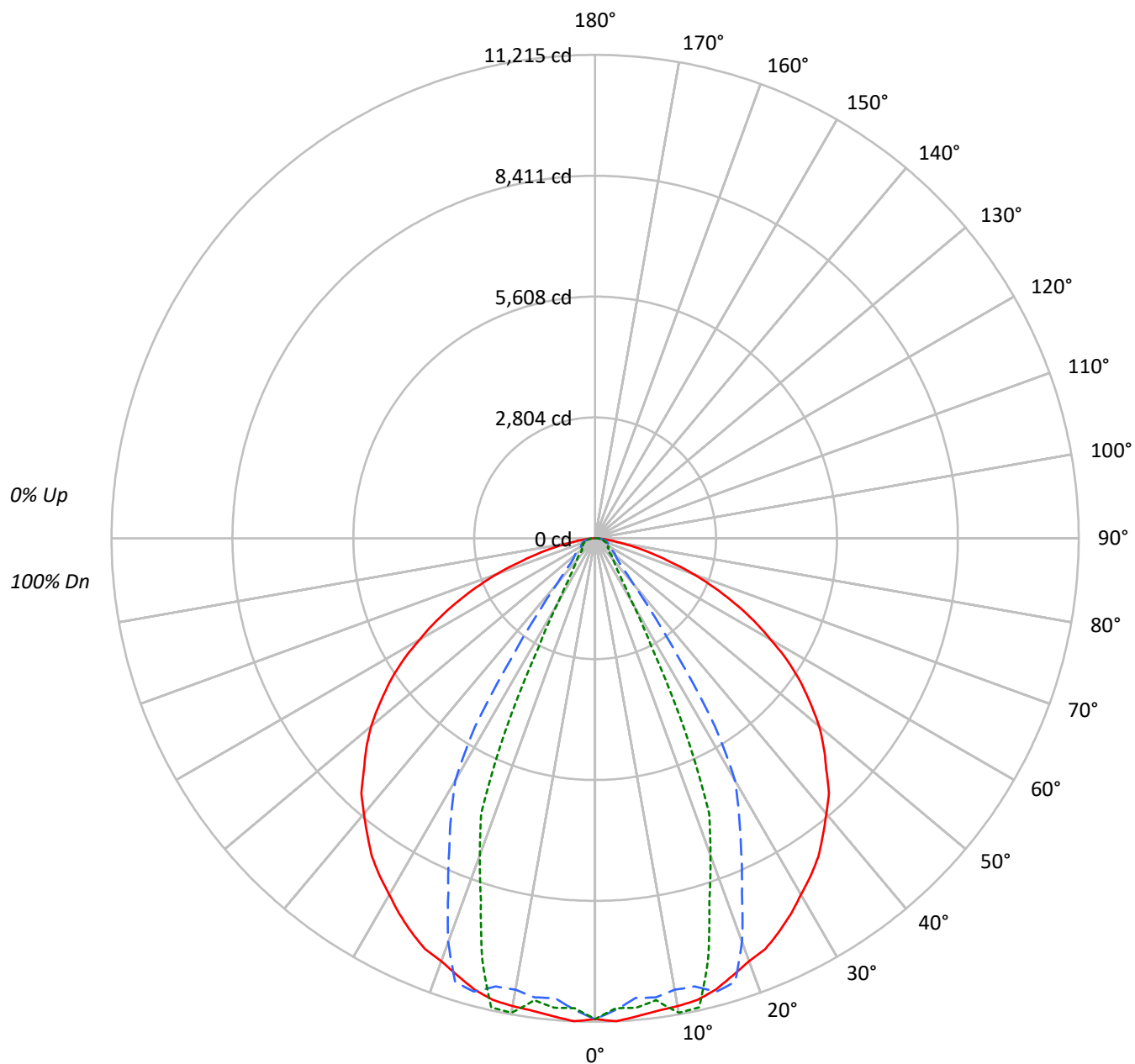
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	103	100	101	99	97	98	96	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	52	46	43	41		
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	48	43	40	38		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18009	18009	18009
5°	18039	17352	17717
10°	18065	17435	18330
15°	18105	18200	16916
20°	17934	17118	13426
25°	17960	14271	8770
30°	17799	12089	3151
35°	17780	6549	1772
40°	17579	2855	1388
45°	17307	1765	1088
50°	17037	1537	1027
55°	16368	1333	1005
60°	15186	1194	1080
65°	13650	1350	1180
70°	11448	1452	1217
75°	8558	1655	1318
80°	5375	1922	1503
85°	3579	2408	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1033.8	6.9
10°-20°	2919.3	19.5
20°-30°	3574.8	23.8
30°-40°	2807.3	18.7
40°-50°	2081.8	13.9
50°-60°	1267.3	8.5
60°-70°	759.2	5.1
70°-80°	416.5	2.8
80°-90°	135.1	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7527.9	50.2
0°-40°	10335.1	68.9
0°-60°	13684.2	91.3
0°-90°	14995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11154	11154	11154	11154	11154	
5°	11130	10827	10706	10824	10932	###
15°	10832	10535	10888	10448	10120	3050
25°	10081	10113	8010	6283	4923	4641
35°	9021	8206	3323	1112	899	5629
45°	7580	5442	773	586	477	5861
55°	5815	1500	474	401	357	5174
65°	3573	442	353	332	309	3530
75°	1372	279	265	231	211	1485
85°	193	152	130	120	119	236
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11154.0	11154.0	11154.0	11154.0	11154.0
2.5°	11214.9	11063.8	10948.1	10883.4	10909.7
5°	11130.0	10827.0	10706.0	10824.0	10931.5
7.5°	11056.3	10606.0	10742.8	10753.4	10809.7
10°	11018.7	10585.0	10634.6	10868.3	11180.3
12.5°	10969.1	10633.9	10651.1	10969.8	11145.7
15°	10831.6	10534.6	10887.9	10448.2	10119.7
17.5°	10630.8	10303.1	10788.7	9255.9	8809.4
20°	10437.6	10051.3	9962.6	8244.9	7814.1
22.5°	10312.9	10012.9	8899.7	7346.5	6901.5
25°	10081.3	10112.9	8010.4	6282.9	4923.0
27.5°	9826.5	9877.6	7224.1	4190.1	2820.4
30°	9546.8	9605.5	6484.3	2476.1	1689.9
32.5°	9293.5	8962.8	5178.6	1544.8	1174.9
35°	9020.7	8205.8	3322.6	1111.8	899.1
37.5°	8677.1	7410.4	2103.3	879.5	754.8
40°	8340.4	6696.3	1354.6	750.9	658.5
42.5°	8025.4	6107.7	985.5	656.3	594.6
45°	7579.6	5442.4	772.8	585.6	476.6
47.5°	7194.0	4662.2	675.8	495.4	411.2
50°	6782.8	3564.7	611.9	440.5	409.0
52.5°	6294.9	2331.8	565.3	421.7	381.8
55°	5814.6	1499.7	473.6	400.7	357.1
57.5°	5295.9	950.9	418.0	388.6	372.8
60°	4702.8	641.2	369.9	368.3	334.5
62.5°	4154.0	527.0	357.1	353.3	316.5
65°	3572.9	442.0	353.3	332.3	308.9
67.5°	2992.6	378.9	319.5	303.7	283.4
70°	2425.1	346.6	307.5	300.7	257.8
72.5°	1841.7	285.6	272.9	254.8	214.3
75°	1371.9	278.9	265.3	230.8	211.2
77.5°	928.4	257.1	241.3	206.7	191.0
80°	578.1	236.0	206.7	181.2	161.6
82.5°	343.5	196.9	169.9	149.6	136.8
85°	193.2	151.9	130.0	119.5	118.8
87.5°	41.3	54.9	43.6	41.3	29.3
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)